

Application/Control Number: 10/775,168

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Art Unit: ***

CLAIMS 1-42 ARE CANCELLED.

CLAIMS 43-52 ARE ADDED.

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Art Unit: ***

43. (New) A display apparatus comprising:

a display panel including a plurality of display elements;

display control means for controlling said display panel in a normal display mode, a first power saving mode, a second power saving mode and a third power saving mode; and

mode transition means for causing said display panel to shift to the first power saving mode or the third power saving mode from a normal mode based on an instruction of a user, and causing said display panel to shift to the second power saving mode from the normal mode based on status of said display panel.

44. (New) The apparatus according to claim 43, wherein in the first power

saving mode and the second power saving mode, a drive current of each of said display elements of said display panel is controlled.

45. (New) The apparatus according to claim 43, wherein said display panel

further includes a drive clock, and the first power saving mode and the second power saving mode can achieve power saving by changing a frequency of said drive clock of said display panel.

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46. (New) The apparatus according to claim 43, wherein in the first power saving mode and the second power saving mode, a drive voltage of said display panel is controlled.

47. (New) The apparatus according to claim 43, wherein the first power saving mode and the second power saving mode suffer less deterioration of quality of an image displayed on said display panel by decreasing electric power supplied to said display panel, and the third power saving mode suffers some deterioration of quality of an image displayed on said display panel by modifying image data representing the image to be displayed.

48. (New) A method of controlling a display apparatus, said method comprising:

a display control step of controlling a display panel in a normal display mode, a first power saving mode, a second power saving mode and a third power saving mode;

and

a mode transition step of causing the display panel to shift to the first power saving mode or the third power saving mode from the normal mode based on an instruction of a user, and causing the display panel to shift to the second power saving mode from the normal mode based on status of the display panel.

49. (New) The method according to claim 48, wherein in the first power saving mode and the second power saving mode, a drive current of each display element of the display panel is controlled.

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50. (New) The method according to claim 48, wherein the first power saving mode and the second power saving mode can achieve power saving by changing a frequency of a drive clock of the display panel.

51. (New) The method according to claim 48, wherein in the first power saving mode and the second power saving mode, a drive voltage of the display panel is controlled.

52. (New) The method according to claim 48, wherein the first power saving mode and the second power saving mode suffer less deterioration of quality of an image displayed on the display panel by decreasing electric power supplied to the display panel, and the third power saving mode suffers some deterioration of quality of an image displayed on the display panel by modifying image data representing the image to be displayed.

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